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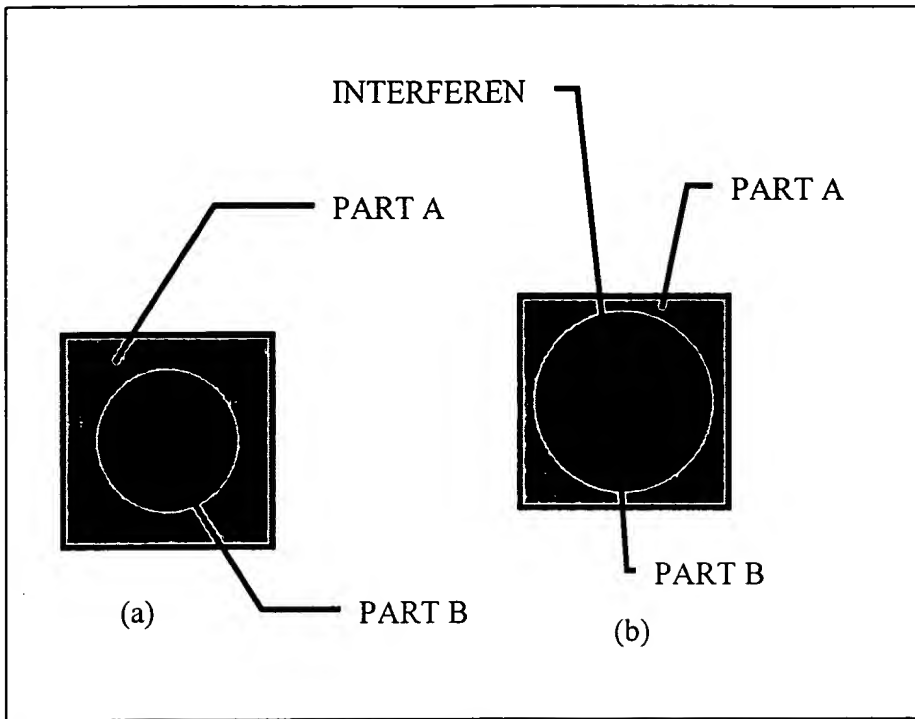


Figure 1: Interference after change in geometry

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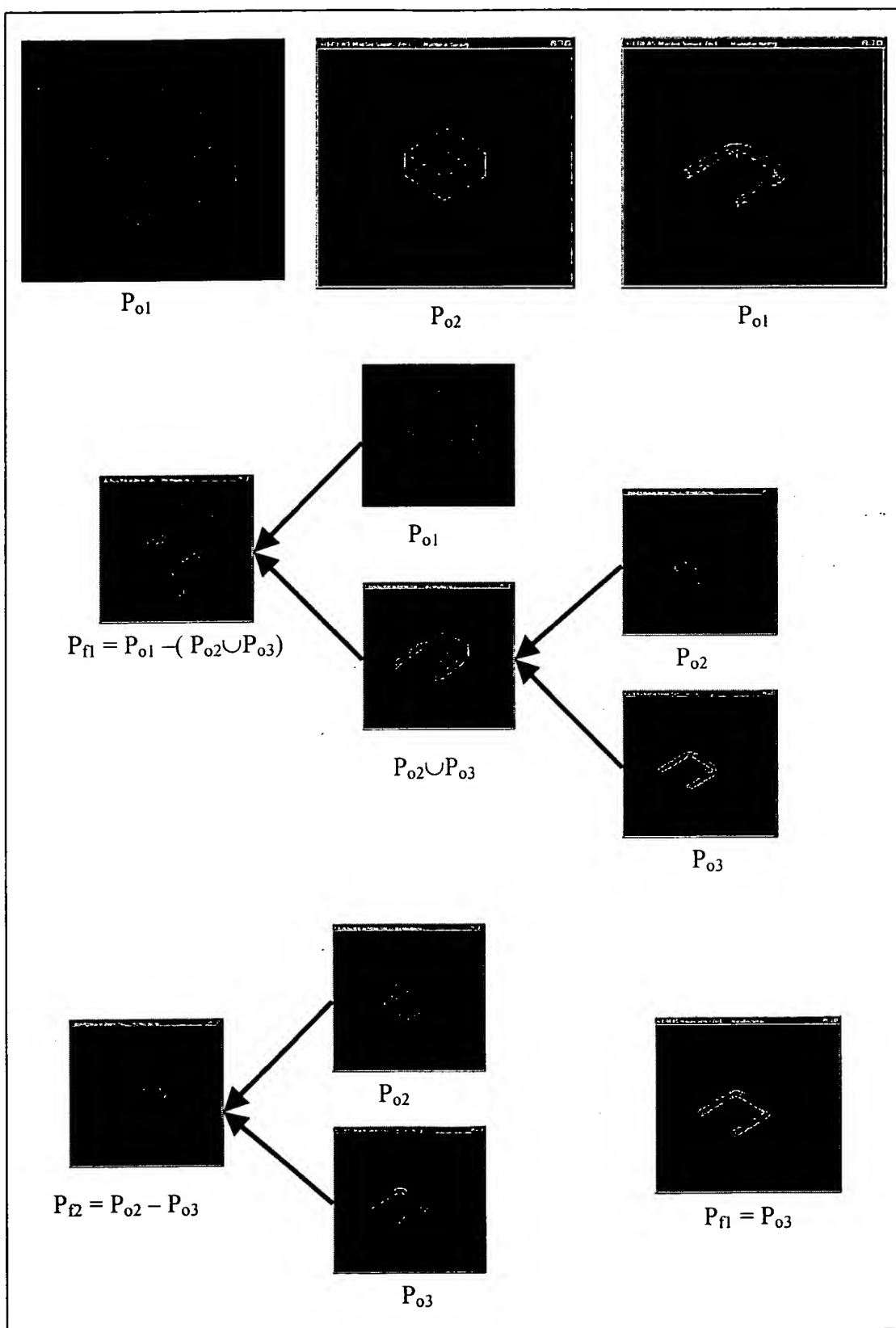


Figure 2: Calculation of multi material geometry

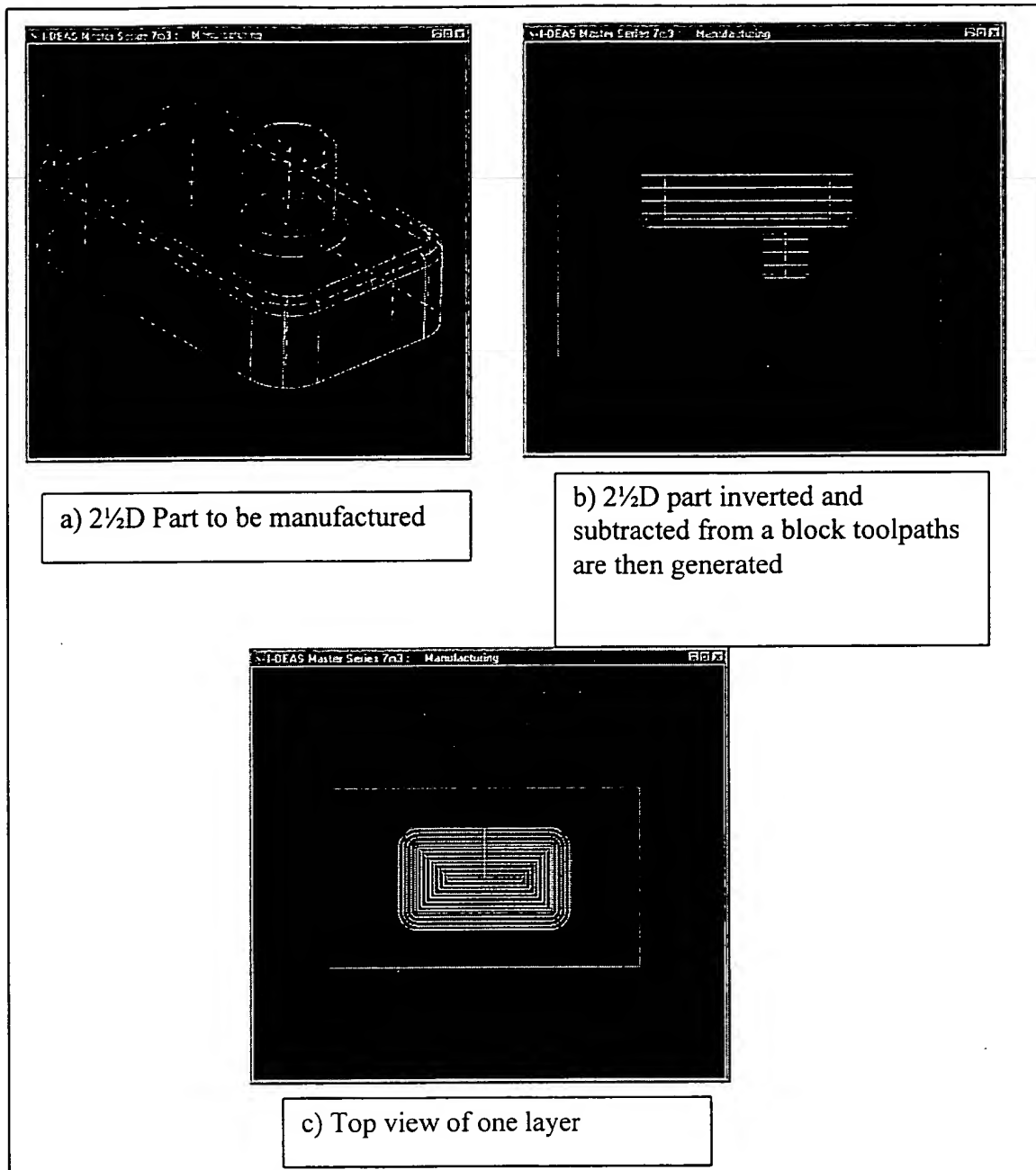


Figure 3: Calculation of tool paths for 2½ D part

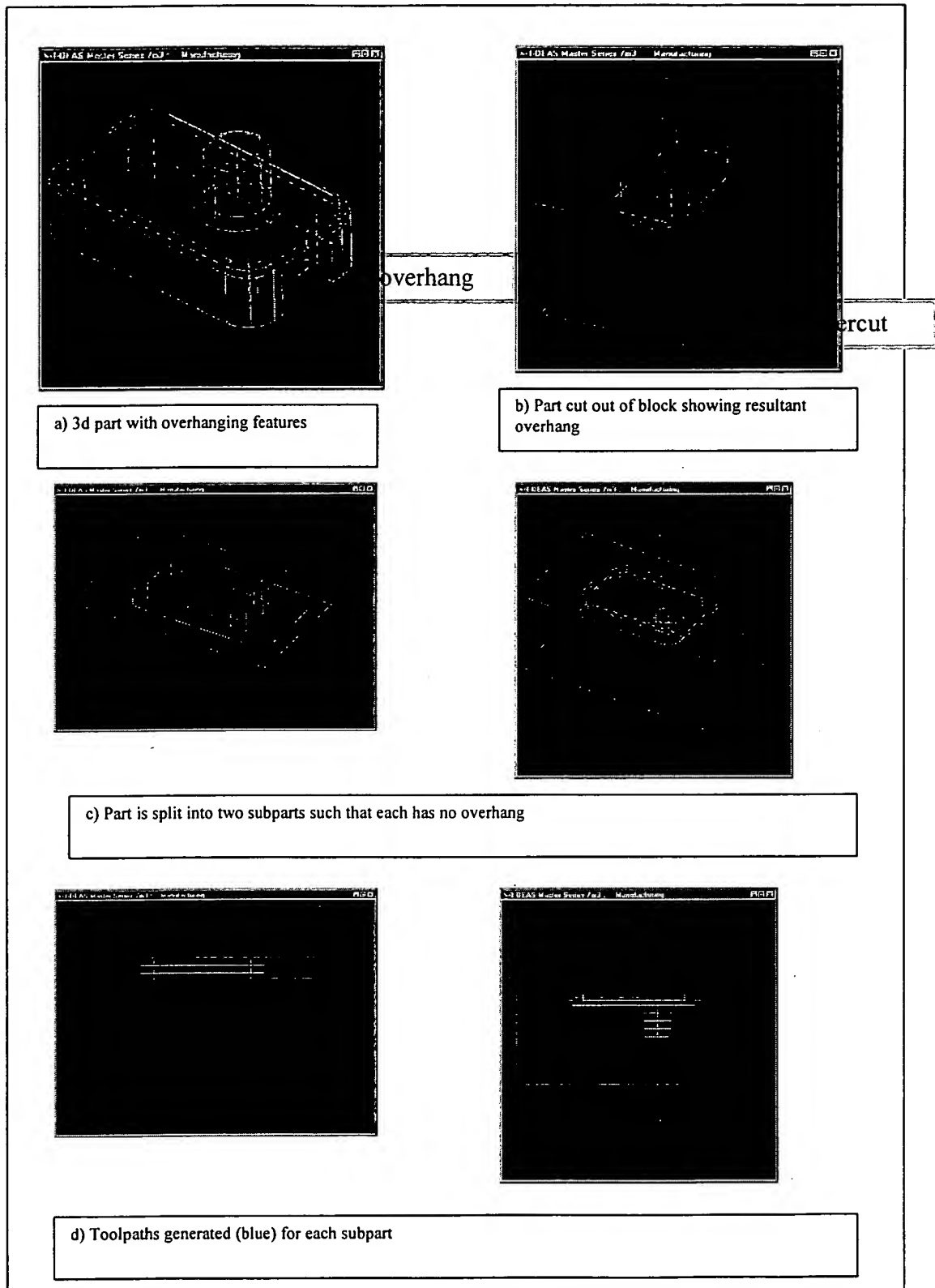
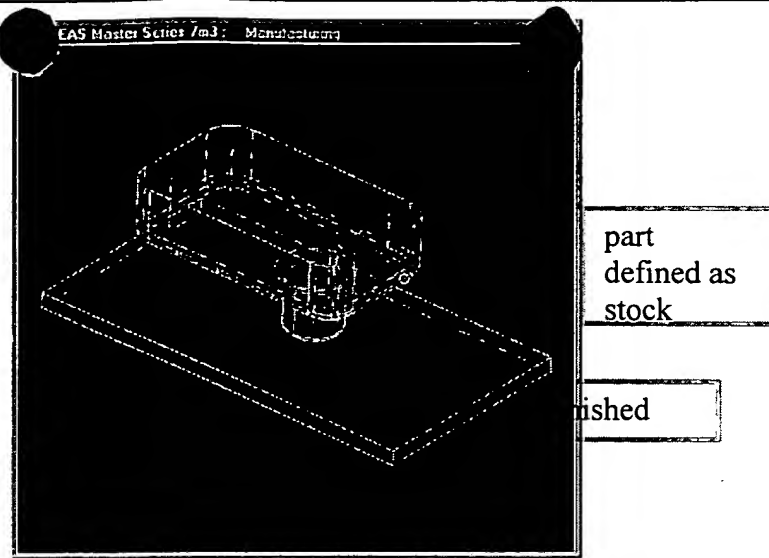
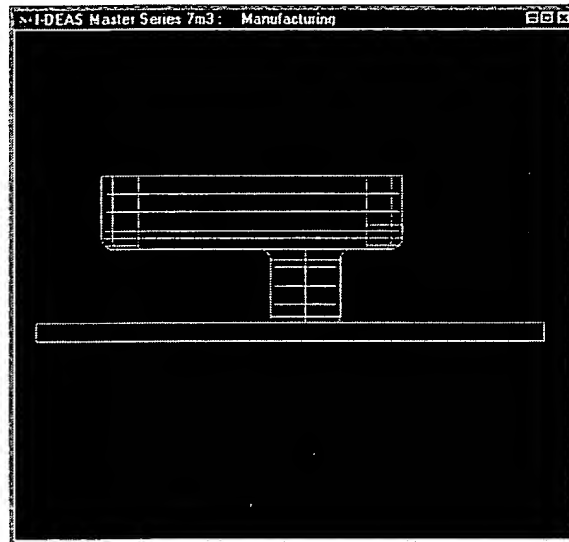


Figure 4: Calculation of toolpaths for part by subdividing into 2 1/2 D parts

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a) Part is inverted and defined as 3D stock material. A square plate is defined as the finished material.



b) Resultant toolpaths generated in green

Figure 5: Calculation of toolpaths by reflecting the part and machining it away

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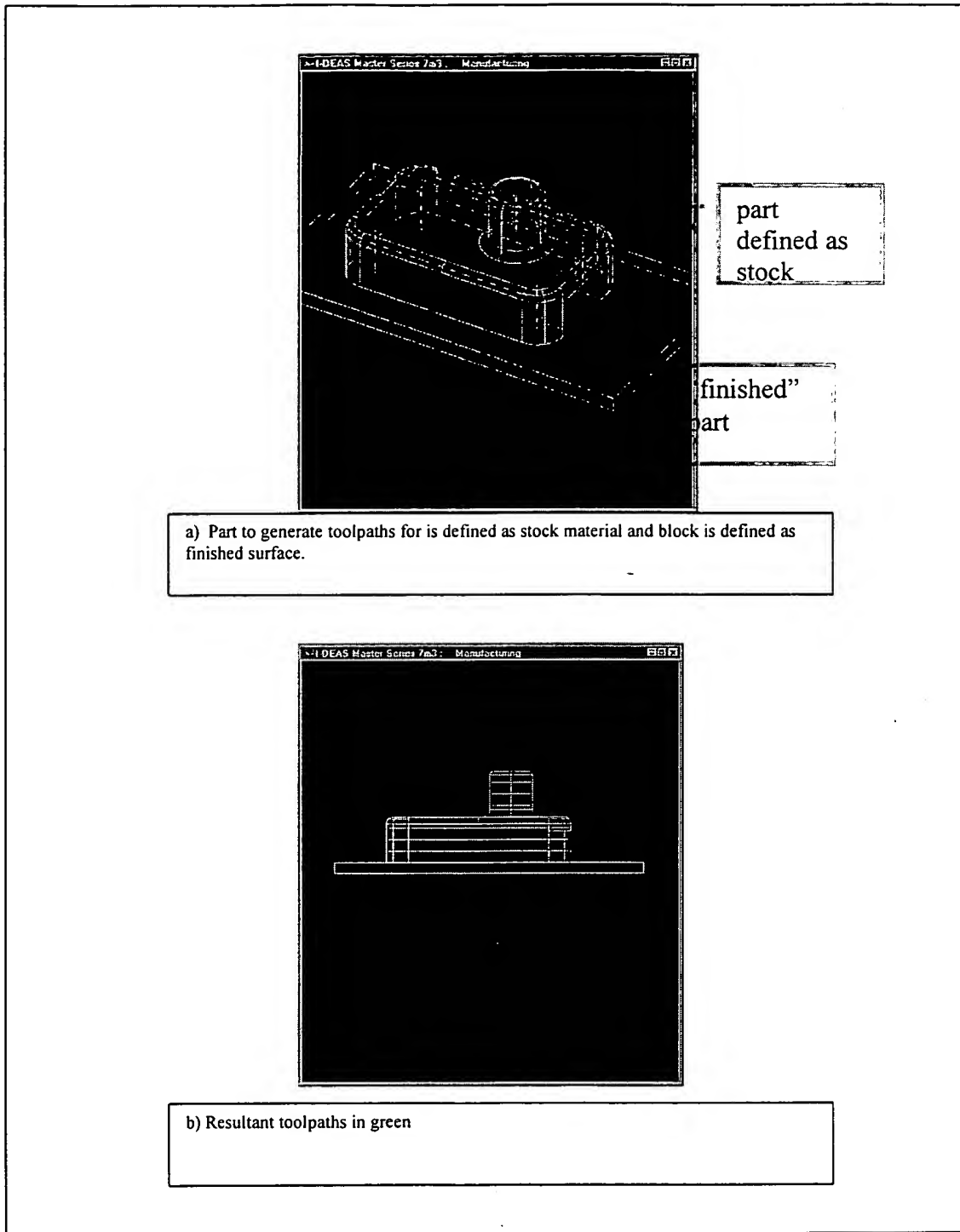


Figure 6: Calculation of toolpaths without reflection. Reordering of toolpaths is done in custom software

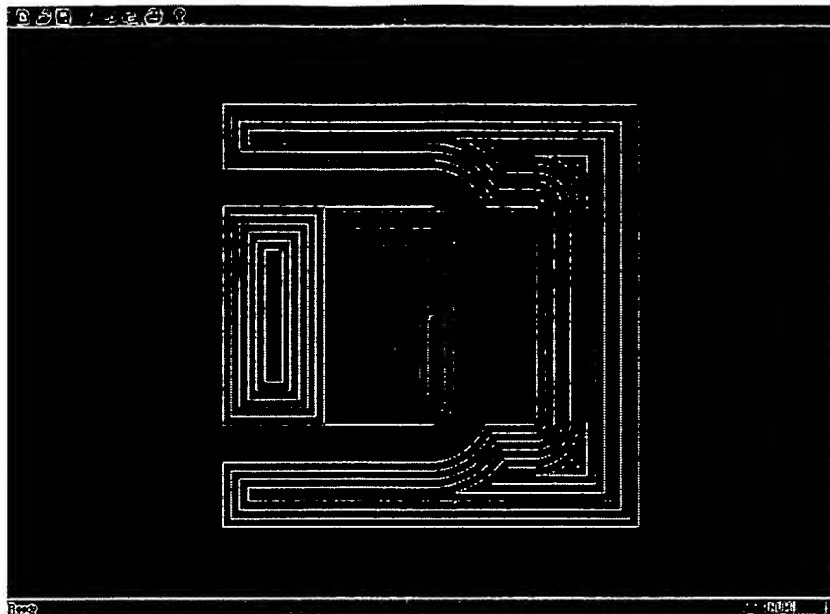


Figure 7 Sample layer at height 26mm showing combination of toolpaths for 3 materials, colored red, green and blue

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